

IN THE CLAIMS

1. (currently amended) A data processing apparatus, comprising:

means for extracting a necessary packet from each of a plurality of transport streams and for reconstructing the extracted packets to one transport stream;

means for ~~executing limited reception descrambling plural packets~~ from the reconstructed one transport stream using a conditional access module and for separating the necessary packets; and

means for decoding each packet separated from the reconstructed one transport stream;

wherein the conditional access module has information needed to descramble the packets from the plurality of transport streams that are in the reconstructed one transport stream.

2. (original) A data processing apparatus according to claim 1, wherein packet information of SI (Service Information) is extracted from each of said plurality of transport streams, a new SI packet is reconstructed from the information of the packet of the SI obtained from each of said plurality of transport streams, and said reconstructed new SI packet is added to said reconstructed one transport stream.

3. (original) A data processing apparatus according to claim 1, wherein packet information of SI (Service Information) is extracted from each of said plurality of transport streams, the information of the packet of the SI obtained from each of said plurality of transport streams is sent to processing means, and a process for limited reception is executed.

4. (currently amended) A data processing apparatus, comprising:

means for extracting information of a packet of SI (Service Information) from each of a plurality of transport streams and ~~executing a process for limited reception by~~ for descrambling plural packets using the information of the packet of the SI obtained from each of said plurality of transport streams and a conditional access module;

means for ~~executing the common~~ descrambling limited ~~reception~~ with respect to each of said plurality of transport streams and for separating the necessary packets; and

means for decoding each packet separated from each of said transport streams;

wherein the conditional access module has information needed to descramble the packets from the plurality of transport streams.

5. (original) A data processing apparatus according to claim 4, wherein said means for separating the necessary packets is time-divisionally used with respect to said plurality of transport streams.

6. (currently amended) A digital broadcasting receiver, comprising:

means for extracting a necessary packet from each of a plurality of transport streams and for reconstructing the extracted packets to one transport stream;

means for ~~executing limited reception~~ descrambling plural packets from the reconstructed one transport stream using a conditional access module and for separating the necessary packets; and

means for decoding each packet separated from the reconstructed one transport stream;

wherein the conditional access module has information needed to descramble the packets from the plurality of

transport streams that are in the reconstructed one transport stream.

7. (currently amended) A data processing method, ~~comprising the steps of:~~

extracting a necessary packet from each of a plurality of transport streams and reconstructing the extracted packets to one transport stream;

descrambling plural packets ~~executing limited reception~~ from said reconstructed one transport stream using a conditional access module and separating the necessary packets; and

decoding each packet separated from said reconstructed one transport stream;

wherein the conditional access module has information needed to descramble the packets from the plurality of transport streams that are in the reconstructed one transport stream.

8. (original) A data processing method according to claim 7, wherein packet information of SI (Service Information) is extracted from each of said plurality of transport streams, a new SI packet is reconstructed from the information of the packet of the SI obtained from each of said plurality of transport streams, and said reconstructed new SI packet is added to said reconstructed one transport stream.

9. (original) A data processing method according to claim 7, wherein packet information of SI (Service Information) is extracted from each of said plurality of transport streams, the information of the packet of the SI obtained from each of said plurality of transport streams is sent to processing means, and a process for limited reception is executed.

10. (currently amended) A data processing method, ~~comprising the steps of:~~

extracting packet information of SI (Service Information) from each of a plurality of transport streams and ~~executing a process for common limited reception by~~ descrambling plural packets using the information of the packet of the SI obtained from each of said plurality of transport streams and a conditional access module;

descrambling ~~executing the limited reception~~ with respect to each of said plurality of transport streams and separating the necessary packets; and

decoding each packet separated from each of said transport streams, respectively;

wherein the conditional access module has information needed to descramble the packets from the plurality of transport streams.

11. (original) A data processing method according to claim 10, wherein said means for separating the necessary packets is time-divisionally used with respect to said plurality of transport streams.